

Walk Through of Area IV Buildings

The following provides an overview of a walkthrough of DOE buildings in Area IV conducted on 20 June 2013. The descriptions provided in this document are intended solely to provide a general overview of the condition of the buildings. The Contractor is fully responsible for independently determining the condition and contents of each building for developing a price proposal and ensuring the successful performance of the PWS activities.

Radioactive Materials Handling Facility (RMHF)

4022:

- High bay metal frame building
- 50ton bridge crane (not certified).
- Miscellaneous general debris
- Scissor lift
- 1800 gal & 500 gal plastic tanks
- Modular 10'x10' filtration system
- 10 5'x8' transfer boxes
- Several 18'-24' below grade vaults subject to groundwater intrusion in wet years and required to be treated as low level waste (LLW)
- Water evaporation system

4021:

- High bay metal frame building
- Small office area at entry with minor debris, drywall, etc.
- Loose contamination has been fixed by painting, etc. several years ago but may require resurvey and re-fixing.
- 4 large 20' trailers equipped to be hauled by train.
- Small electrical sub-station.
- Generally empty & cleared of most scrap and debris
- West side of 4021 has external substation with possible PCBs in transformers. Also adjacent wall of 4021 is covered with stucco, possibly containing asbestos.

Area between 4021 & 4022:

- Large HEPA vent system (radiologically contaminated)
- Outside drain system (radiologically contaminated)

4663:

- No building, just a large concrete slab with four 20' containers containing miscellaneous non-rad equipment storage but may still require radiological sampling.

4075:

- Metal frame building
- Empty inside

4563:

Adjacent to 4075
Open heavy metal frame and roof on slab (i.e. like a carport)

4665:

Metal building
Empty inside

4621:

Metal building
25 empty 55 gal drums (prior contents, if any, unknown)
Two 5 gal buckets containing americium sources & 6 smoke detectors. These were entered into the Open Source Program but were never disposed of.
Two pallets of OptiSorb
One very large pallet of scrap & debris

4688:

Open metal frame on slab (i.e. like a carport)

4044:

Metal building
Unused office space containing miscellaneous desks, refrigerators, chairs & other office equipment.
Large electrical panels

4034:

Metal building
Active finished office space containing typical office furnishings.

4658:

Unused guard shack
Double walled steel building bolted to slab with eight bolts.

Other buildings:

4024:

High bay metal building
Two large bridge cranes (uncertified)
10 or more frames for holding low level (super-sack type) waste bags
Two Baker tanks for holding of Groundwater
Ford back hoe
Otherwise building is generally free of debris
Full size underground vault complex containing large open area plus three separate vaults. Vault walls are borated concrete which is activated and will be LLW. One or more vaults are lined in ¼" aluminum. Previous flooring in some areas has been removed but some mastic possibly containing asbestos remains, as well as some abatement will be required with lead joints.

Vaults also contain remnants of previous vacuum system. Each of the three smaller vaults also contain three 12' deep sub-floor vaults; contents unknown.

Building vault area has sump system and is subject to intrusion of groundwater which may range from almost nothing in dry years to as much as 120,000 gal per year in a very wet year. This water has never contained contamination of any kind and is disposed of by pumping to two adjacent baker tanks and subsequently to a local pond.

There are eight cylindrical below grade storage tubes with concrete plugs.

4019:

Large metal building

Building is jammed with large bins, containers and debris of every sort.

Several 40 cubic yard bins

A lot of debris is located inside facility

Four or more 20 cubic yard (B24 type) covered bins for waste transport

One cherry picker lift

Six or more 5000lb lead weights previously used for truck scale calibration

Two large open bins

Several 250 gallon plastic tanks currently containing contaminated (tritium) water

General piping systems containing mercury switches and other items.

Large roughly 12' diameter wide below grade vault, possibly 20' deep with concrete top plug

Outside there is a substation (#719) and one 40' container with general storage inside. Also there is a trailer owned by another contractor that will be moved by that contractor.

4057:

Metal building

Contains open high bay generally clear of major debris but containing numerous file cabinets with document records.

Lab areas containing miscellaneous debris

Outside: 1 Bobcat type skip loader & attachments, 1 substation, 1 trailer

4038:

Large unused office building containing some remaining furniture and other miscellaneous office items.

Outside there is one 40' container with unknown contents.

Sodium Pump Test Facility

4462 & 4463:

Multi-story buildings containing remains of large piping systems and tanks previously used for testing of liquid sodium equipment such as pumps, valves, & other components. Tanks and pipes have been drained, cut open, and removed of any remaining sodium or other chemicals, however, residual contamination could still remain. Building 4462 also contains 50-75 large empty metal boxes previously used to transport sodium components to and from the testing facility.

Two large tanks & associated piping are located outside the buildings

Hazardous Waste Management Facility (Buildings 4029 & 4133) were not inspected.

Building 4133

This building is approximately 20' x 40' and is empty.

Building 4029

An outside structure (not enclosed) with a small crane and some residual chemical contamination.